

## Table ENG-4. - Building Site Development

Mercer And Summers Counties, West Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
At: Atkins	100	Very limited Depth to saturated zone Frost action Flooding	1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
BwF: Berks	60	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Gravel content	1.00 0.94 0.56
Weikert	30	Very limited Slope Depth to soft Frost action	1.00 1.00 0.50	Very limited Depth to soft Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 1.00
Other Soils	10	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
CaC: Cateache	100	Somewhat limited Slope Shrink-swell Frost action	0.63 0.50 0.50	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Slope Depth to bedrock	0.63 0.46
CaD: Cateache	100	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
CbC: Cateache	50	Somewhat limited Slope Shrink-swell Frost action	0.63 0.50 0.50	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Slope Depth to bedrock Gravel content	0.63 0.46 <0.01
Berks	35	Somewhat limited Slope	0.63	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Droughty Slope Gravel content	0.94 0.63 0.56
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CbC3: Cateache	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Shrink-swell	0.50	Depth to soft	0.46	Depth to bedrock	0.46
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	<0.01
Berks	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Droughty	0.94
				Depth to soft	0.46	Slope	0.63
				Cutbanks cave	0.10	Gravel content	0.56
Other Soils	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
CbD: Cateache	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft	0.46	Depth to bedrock	0.46
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	<0.01
Berks	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft	0.46	Droughty	0.94
				Cutbanks cave	0.10	Gravel content	0.56
Other Soils	15	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
CbD3: Cateache	55	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft	0.46	Depth to bedrock	0.46
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	<0.01
Berks	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft	0.46	Droughty	0.94
				Cutbanks cave	0.10	Gravel content	0.56
Other Soils	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
CbF: Cateache	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to soft	0.46	Depth to bedrock	0.46
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	<0.01

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CbF: Berks	20	Very limited Slope	1.00	Very limited	1.00	Very limited	1.00
				Slope		Slope	
				Depth to soft Cutbanks cave		0.46 0.10	
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited	1.00	Very limited	1.00
				Slope		Slope	
				Cutbanks cave		0.10	
CbF3: Cateache	60	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited	1.00	Very limited	1.00
				Slope		Slope	
				Depth to soft Cutbanks cave		0.46 0.10	
Berks	20	Very limited Slope	1.00	Very limited	1.00	Very limited	1.00
				Slope		Slope	
				Depth to soft Cutbanks cave		0.46 0.10	
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited	1.00	Very limited	1.00
				Slope		Slope	
				Cutbanks cave		0.10	
CkD: Cateache	50	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited	1.00	Very limited	1.00
				Slope		Slope	
				Depth to soft Cutbanks cave		0.46 0.10	
Berks	35	Very limited Slope	1.00	Very limited	1.00	Very limited	1.00
				Slope		Slope	
				Depth to soft Cutbanks cave		0.46 0.10	
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited	1.00	Very limited	1.00
				Slope		Slope	
				Cutbanks cave		0.10	
CkF: Cateache	60	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited	1.00	Very limited	1.00
				Slope		Slope	
				Depth to soft Cutbanks cave		0.46 0.10	

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CkF: Berks	25	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Content of large stones	1.00 0.94 0.84
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
CID: Caneyville	100	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Depth to hard Slope Too clayey	1.00 1.00 0.50	Very limited Slope Depth to bedrock	1.00 0.46
CIF: Caneyville	100	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Depth to hard Slope Too clayey	1.00 1.00 0.50	Very limited Slope Depth to bedrock	1.00 0.46
Cm: Chagrin	95	Very limited Flooding Frost action	1.00 0.50	Very limited Cutbanks cave Flooding Depth to saturated zone	1.00 0.60 0.15	Somewhat limited Flooding	0.60
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
CnD: Clymer	45	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to hard Cutbanks cave	1.00 1.00 0.10	Very limited Slope	1.00
Gilpin	40	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
CnF:							

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CnF: Clymer	45	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to hard Cutbanks cave	1.00 1.00 0.10	Very limited Slope	1.00
Gilpin	35	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
CtC: Coolville	55	Very limited Frost action Shrink-swell Slope	1.00 0.50 0.04	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.99 0.28 0.10	Somewhat limited Slope	0.04
Latham	25	Very limited Frost action Shrink-swell Slope	1.00 1.00 0.04	Very limited Depth to saturated zone Depth to soft Too clayey	1.00 0.46 0.13	Somewhat limited Depth to bedrock Slope Depth to saturated zone	0.46 0.04 0.03
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
CtD: Coolville	50	Very limited Frost action Slope Shrink-swell	1.00 1.00 0.50	Very limited Slope Depth to saturated zone Too clayey	1.00 0.99 0.28	Very limited Slope	1.00
Latham	30	Very limited Frost action Shrink-swell Slope	1.00 1.00 1.00	Very limited Depth to saturated zone Slope Depth to soft	1.00 1.00 0.46	Very limited Slope Depth to bedrock Depth to saturated zone	1.00 0.46 0.03
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

CuF:

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
CuF: Culleoka	100	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
DeC: DeKalb	100	Somewhat limited Slope Depth to hard	0.63 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Droughty Slope Depth to bedrock	0.84 0.63 0.46
DeD: DeKalb	100	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Depth to bedrock	1.00 0.84 0.46
DgD: DeKalb	30	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Content of large stones	1.00 0.84 0.68
Gilpin	25	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Content of large stones Depth to bedrock	1.00 0.92 0.46
Jefferson Stony	25	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones	1.00 0.20
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
DgF: DeKalb	35	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Content of large stones	1.00 0.84 0.68
Gilpin	25	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Content of large stones Depth to bedrock	1.00 0.92 0.46

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
DgF: Jefferson Stony	20	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones	1.00 0.20
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
DrF: Dekalb	50	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Content of large stones	1.00 0.84 0.68
Rock Outcrop	35	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
ErB: Ernest	95	Somewhat limited Shrink-swell Frost action Depth to saturated zone	0.50 0.50 0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone Content of large stones	0.03 0.03 <0.01
Atkins	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
ErC: Ernest	95	Somewhat limited Slope Shrink-swell Frost action	0.63 0.50 0.50	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope Depth to saturated zone Content of large stones	0.63 0.03 <0.01
Atkins	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
ErD:							

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
ErD: Ernest	100	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to saturated zone Content of large stones	1.00 0.03 <0.01
EuC: Ernest	40	Somewhat limited Slope Shrink-swell Frost action	0.63 0.50 0.50	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope Content of large stones Depth to saturated zone	0.63 0.05 0.03
Atkins	30	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Buchanan Stony	30	Somewhat limited Slope Frost action Depth to saturated zone	0.63 0.50 0.03	Very limited Cutbanks cave Depth to saturated zone Slope	1.00 1.00 0.63	Somewhat limited Slope Gravel content Content of large stones	0.63 0.33 0.16
EuD: Ernest	40	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Depth to saturated zone	1.00 0.05 0.03
Buchanan Stony	35	Very limited Slope Frost action Depth to saturated zone	1.00 0.50 0.03	Very limited Slope Cutbanks cave Depth to saturated zone	1.00 1.00 1.00	Very limited Slope Gravel content Content of large stones	1.00 0.33 0.16
Other Soils	25	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
FcD: Frederick	100	Very limited Slope Shrink-swell Frost action	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 1.00 0.03
FcF:							



**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
FrF: Frederick	100	Very limited Slope Shrink-swell Frost action	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 1.00 0.03
FkC: Frederick	100	Very limited Shrink-swell Slope Frost action	1.00 0.63 0.50	Very limited Too clayey Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope	0.63
FrC: Frederick	100	Very limited Shrink-swell Slope Frost action	1.00 0.63 0.50	Very limited Too clayey Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope Gravel content Content of large stones	0.63 0.36 <0.01
FrD: Frederick	100	Very limited Slope Shrink-swell Frost action	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.36 <0.01
FrF: Frederick	100	Very limited Slope Shrink-swell Frost action	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.36 <0.01
GaB: Gilpin	100	Somewhat limited Frost action	0.50	Somewhat limited Depth to soft Cutbanks cave	0.46 0.10	Somewhat limited Depth to bedrock	0.46
GaC: Gilpin	100	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Slope Depth to bedrock	0.63 0.46
GaD: Gilpin	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
GbC:							

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
GbC: Gilpin	55	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Slope Depth to bedrock Content of large stones	0.63 0.46 0.32
Berks	30	Somewhat limited Slope	0.63	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Droughty Slope Gravel content	0.94 0.63 0.56
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
GbC3: Gilpin	50	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Slope Depth to bedrock Content of large stones	0.63 0.46 0.32
Berks	30	Somewhat limited Slope	0.63	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Droughty Slope Gravel content	0.94 0.63 0.56
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
GbD: Gilpin	45	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock Content of large stones	1.00 0.46 0.32
Berks	40	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Gravel content	1.00 0.94 0.56
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
GbD3:							

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
GbD3: Gilpin	45	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock Content of large stones	1.00 0.46 0.32
Berks	40	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Gravel content	1.00 0.94 0.56
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
GbF: Berks	40	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Gravel content	1.00 0.94 0.56
Gilpin	40	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock Content of large stones	1.00 0.46 0.32
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
GbF3: Berks	40	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Gravel content	1.00 0.94 0.56
Gilpin	40	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock Content of large stones	1.00 0.46 0.32
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
JsD:							

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
JsD: Jefferson	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones	1.00 0.20
JsF: Jefferson	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones	1.00 0.20
Ka: Kanawha	100	Somewhat limited Frost action Flooding	0.50 0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
LdF: Lehew	60	Very limited Slope Depth to hard Content of large stones	1.00 0.46 0.02	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 1.00 0.81
Dekalb	25	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 0.84 0.84
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
LIB: Lily	100	Somewhat limited Depth to hard	0.46	Very limited Depth to hard Cutbanks cave	1.00 0.10	Somewhat limited Depth to bedrock	0.46
LIC: Lily	100	Somewhat limited Depth to hard Slope	0.46 0.04	Very limited Depth to hard Cutbanks cave Slope	1.00 0.10 0.04	Somewhat limited Depth to bedrock Slope	0.46 0.04
LID: Lily	100	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Lo:							

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Lo: Lobdell	95	Very limited Frost action Flooding	1.00 1.00	Somewhat limited Depth to saturated zone Flooding Cutbanks cave	0.99 0.60 0.10	Somewhat limited Flooding	0.60
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
MgB: Monongahela	100	Somewhat limited Frost action Depth to saturated zone	0.50 0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
MgC: Monongahela	100	Somewhat limited Slope Frost action Depth to saturated zone	0.63 0.50 0.03	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope Depth to saturated zone	0.63 0.03
MsD: Murrill	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 0.10 0.01	Very limited Slope Gravel content Content of large stones	1.00 0.41 0.05
MsF: Murrill	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 0.10 0.01	Very limited Slope Gravel content Content of large stones	1.00 0.41 0.05
MuC: Murrill	100	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave Too clayey	0.63 0.10 0.01	Somewhat limited Slope Gravel content	0.63 0.41
MuD: Murrill	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 0.10 0.01	Very limited Slope Gravel content	1.00 0.41
Oa:							

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Oa: Orrville	95	Very limited Frost action Flooding Depth to saturated zone	1.00 1.00 0.48	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.48
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Ob: Orrville	45	Very limited Frost action Flooding Depth to saturated zone	1.00 1.00 0.48	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.48
Lobdell	40	Very limited Frost action Flooding	1.00 1.00	Somewhat limited Depth to saturated zone Flooding Cutbanks cave	0.99 0.60 0.10	Somewhat limited Flooding	0.60
Other Soils	10	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
ShB: Shouns	100	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
ShC: Shouns	100	Somewhat limited Slope	0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Somewhat limited Slope	0.04
ShD: Shouns	100	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
StC: Shouns	100	Somewhat limited Frost action Slope	0.50 0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Somewhat limited Content of large stones Slope	0.08 0.04

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
StD: Shouns	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones	1.00 0.08
TtB: Tilsit	100	Somewhat limited Depth to saturated zone	0.19	Very limited Depth to saturated zone Depth to hard Cutbanks cave	1.00 1.00 0.10	Somewhat limited Depth to saturated zone	0.19
TtC: Tilsit	100	Somewhat limited Slope Depth to saturated zone	0.63 0.19	Very limited Depth to saturated zone Depth to hard Slope	1.00 1.00 0.63	Somewhat limited Slope Depth to saturated zone	0.63 0.19
Tv: Tygart Variant	95	Very limited Low strength Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone	1.00
Purdy	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
U1: Udorthents	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
U2: Udorthents	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
U3: Udorthents	95	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Wet Minesoil	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
U4:							

**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
U4: Udorthents	95	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Wet Minesoil	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Ud: Psamments	50	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Udifluvents	50	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
UeC: Urban Land	45	Not Rated		Not Rated		Not Rated	
Other Soils	30	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Ernest	25	Not Rated		Not Rated		Not Rated	
UfD: Urban Land	40	Not Rated		Not Rated		Not Rated	
Frederick	30	Not Rated		Not Rated		Not Rated	
Other Soils	30	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
UgE: Urban Land	40	Not Rated		Not Rated		Not Rated	
Other Soils	25	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Gilpin	20	Not Rated		Not Rated		Not Rated	
Berks	15	Not Rated		Not Rated		Not Rated	
UIC: Urban Land	45	Not Rated		Not Rated		Not Rated	



**Table ENG-4. - Building Site Development - Continued**

Mercer And Summers Counties, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
UIC: Other Soils	30	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Lily	25	Not Rated		Not Rated		Not Rated	
UmD: Urban Land	45	Not Rated		Not Rated		Not Rated	
Other Soils	30	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Murrill	25	Not Rated		Not Rated		Not Rated	
Uo: Urban Land	40	Not Rated		Not Rated		Not Rated	
Other Soils	25	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Orrville	20	Not Rated		Not Rated		Not Rated	
Lobdell	15	Not Rated		Not Rated		Not Rated	
W: Water	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
WeC: Westmoreland	100	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Depth to hard Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope	0.63
WeD: Westmoreland	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to hard Cutbanks cave	1.00 1.00 0.10	Very limited Slope	1.00
WeF: Westmoreland	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to hard Cutbanks cave	1.00 1.00 0.10	Very limited Slope	1.00